

ABSTRACT OF THE DISCLOSURE

A surface acoustic wave arrangement has at least two interdigital transducers being provided on a piezoelectric substrate along an acoustic path, with at least one of the interdigital transducers being a fan transducer which is divided in a transverse direction into edge tracks and a center track. The acoustic wave excited in the edge tracks can be radiated either bidirectionally or unidirectionally in a predominant direction. On the other hand, the center track is formed so that the unidirectional radiation of the wave takes place in a direction opposite the predominant direction. In this manner, the signal transmission is suppressed in the frequency range corresponding to the finger period in the center track within the passband range of the transfer function. The obtained notch in the transfer function is used, for example, in receivers of terrestrial and satellite-based signals for suppressing the terrestrial signals in the satellite path of the receiver.